

# ***Little Gems***

from  
**Mohave County Gemstoners**

Volume 1, Issue 3

August 1, 2008

## **Message from the President:**

### **Hi! "GEMSTONERS"**

Wow! Our July 8<sup>th</sup> Meeting really lifted my spirit (as well as it helped in the healing of my broken ribs). I hope this event lifted your spirit also.

On my way home to GV, I took the time to drive through quiet "Old-town"; and to reflect upon our meeting accomplishments. I realized how blessed I am to be in our club, to get to see, share and know each of you better at each meeting. As "prez" I have this wonderful privilege, to experience those special moments when you share comments, ideas and encouragements with me before, during and after our gatherings.

I felt real comfort in the "interactive-way" our July meeting unfolded, and in the way we all decided to stay at the "warm & homey" setting of the KH Adult Center. I sense that we will all appreciate the stability this venue provides for us in the days to come. While we considered many options for other potential meeting locations, including the "purchasing of our own building", several other club-growth opportunities came about!

That is to, 1) use the facility resources of the Mohave County Library to present our ongoing Geology Video Series starting at 6:30 PM on Wednesday, August 13, and thereafter every third Wednesday until completion of the series. I hope we can arrange with the Library to also make this a community invited event.

And 2) to also possibly use the Library facility to conduct our "Gemstoners'" Board of Directors monthly meeting, and to also establish a club Display Case within the Library. And I hope that we can have club support, to reintroduce our club vision & activities to the public via the Mohave County Library system, as was a vision of our past club President, "Bill" Arvidson.

Brevity is not a quality that I have...so I would be remiss in not also thanking each of you for your attendance, support, and ideas. Thanks that also include the time and energy given by our Board of Directors and our elected leaders.

Hope your drive home was also reflective of our accomplishments, of the "True Value", growth, sharing, and friendships our club strives to achieve.

**"ENJOY",**

**Pete Hansen**  
**President, Mohave County**  
**"GEMSTONERS" Club**

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### **NEXT MEETING:**

**Tuesday, August 12th**  
**6:30 P. M. Pre-meeting**  
**Socializing**  
**7:00 P. M. Meeting**



**Kathryn Heidenreich Senior Center**  
**1776 Airway Avenue, Kingman, AZ**

## 🌀 Club Information 🌀

The Mohave County Gemstoners' Club is a member of the Rocky Mountain Federation of Mineralogical Societies (RMFMS) and associated with the American Federation of Mineralogical Societies (AFMS).

The purpose of the Mohave County Gemstoners is to:

1. Stimulate interest in Mineralogy and Lapidary Arts
2. Stimulate individual's interest in cutting and displaying of minerals, fossils and gemstones.
3. Stimulate interest in Stonecutting, carving and setting of fine gems and jewelry.
4. Stimulate interest in other areas, such as faceting, jewelry design, jewelry fabrication and metalsmithing of jewelry.

The Gemstoners meet the second Tuesday of each month at Kathryn Heidenreich Senior Center, 1776 Airway Ave., Kingman, AZ at 7:00 PM. In March, June, September and December there is a potluck dinner that starts at 6:30 PM.

Fiscal year for memberships runs from January 1<sup>st</sup> thru December 31<sup>st</sup>. Dues are \$15.00 per person, \$20.00 per couple and \$25.00 for family (residing in the same home). Family sponsored Junior Membership cost is \$8.00. Annual dues are payable on January 1 and are delinquent after the February meeting. Remit payment to Membership Chairman.

Name badges will be required for all members at a cost of \$8.00 for pin type and \$9.00 for the magnetic type each.

Mailing Address:

Mohave County Gemstoners  
P.O. Box 3992  
Kingman, AZ 86402

## 🌀 2008 Club Leadership 🌀

Elected Officers:

President - Peter Hansen (928) 565-4321  
Vice President - "C" Russell (928) 854-2503  
Secretary - Glenda Erwin (928) 715-7505  
Treasurer - Dave Sims (928) 692-3707  
Sergeant At Arms - "C" Russell

Club Committee Chairpersons

Academic Advisor - Rick Vromen

By-Laws - Open

Newsletter Editor - Glenda Erwin

Donna Robinson

Education - Open

Field Trips - "C" Russell and George Matcham

Greeters/Hostess - "CJ" Sausberg

Historian - Bruce "BJ" Johnson

Jr. Leader - Laurel Nelson

Membership - Nan Russell

Program Director - Open

Publicity - Open

Refreshments - Jo Agee

Show Chairman 2009 - Open

Scholarship / Donations - Open

Social Director/Special Events - Suzie Green

Sunshine - Open

Telephone - John and Laraine Smith

## Life Members

Ben and Eiko Bosserman

Betty Bush

Mildred Page

Lucilla Thompson



## Minutes of the Mohave County Gemstoners' Meeting - July 8, 2008

Meeting was brought to order at 7:02 pm. with the pledge of allegiance to the flag. President Pete welcomed members and visitors and introduced officers as we had several visitors. He also asked that everyone be sure to sign in before each meeting, including our guests.

Nan introduced new members and guests and reminded all members who forgot to wear their badges that a fine will be charged, so be sure to bring in and wear your badge to each meeting.

Minutes of the June meeting were read by Glenda and accepted as read.

Treasurer's report was presented by Dave with distribution of our monthly bills leaving a balance in our account of \$5,143.93. Dave also had a nice brochure card on Astronomy and Geology, including identification of rock formations that was a handy guide to keep with your rock hunting gear. The card is available to purchase for \$2.98 each or we can get a group discount if several members are interested.

Old Business: The Geologist we have been hoping to have speak at our meetings will not be available due to his work schedule.

New Business: Pete brought up to the membership that the Senior Center was increasing our rent from \$5.00 a month to \$50.00 a month. The possibility of moving to a different location for meetings in the future had been discussed at our board meeting, and other sites were investigated. Other sites included the library, churches in town and various service lodges were investigated and the specifics regarding each site were discussed with the membership. The consensus was that staying at our present location, even at the higher \$50.00 charge was still within reason as it is in a good location, the facilities are more than

adequate, and we have been at this location for many years. The membership voted to stay on a month-to-month basis at the Senior Center unless something better was located in the coming months.

By-Laws Committee met to go over updating our by-laws and will be presenting them to the general membership at our next meeting. All members can discuss the details and will have an opportunity for input, and then they will be voted on acceptance the following meeting.

Pete asked that everyone be sure to clean up their tables before leaving for the night, and adjourned the meeting at 8:10 PM.

Respectfully submitted,

Glenda Erwin, Secretary



### Field Trip Report:

"C" met with the group of eight people at the Powerhouse parking lot, but after consideration of the extreme temperature already at 7:00 AM, as well as the prospect of a short day once they got there and the cost of gas for just a quick trip, the trip to Chloride was deferred. Instead, the group went to the Stockton Mine to check out some of the local rocks at that site. He will check with the home owner up on the hill in that area to see about access to a few mines over the hill toward Chloride for future field trips.

"C" is also working on the possibility of an indoor "field trip" to the library to watch our geology videos. Many members would be interested in attending these. The library has available the 3rd Wednesday of each month from 6:30 - 9:00 PM, so we will reserve those times. We are hoping to have guest speakers attend these Wednesday "educational evenings" in the future as well, and they will be open to the public.

# August Birthstone: Peridot



Birthstone Color: Yellow Green

If fire appears to leap from the vibrant green surface of the Peridot, this may be because this gem is formed as a result of volcanic activity. Many years ago, natives discovered Peridot crystals in the black sands of Hawaii, explaining their presence as tears shed by Pele, the volcano goddess. Throughout history, August's birthstone has been used as a means to connect with nature. Early Egyptian priests drank a stimulating beverage called Soma from cups made of Peridot, believing this practice to draw them closer to Isis, the goddess of nature.

The name Peridot comes from the Arabic word "faridat," meaning gem. Ancient Egyptians called them the "gem of the sun," because of their dazzling brilliance when seen in the desert sun. It was believed that the Peridot glowed with light even as darkness fell, which is why miners were said to have scouted for these gems during the night, marking their location, and returning in the light of day to retrieve them. Perhaps this legendary mining method is the reason that the Peridot is sometimes called "evening emerald."

Peridot is a mineral named Olivine, which is found in a variety of greens, ranging from light yellowish green to a dark olive. Early mining for this gem was done on Saint John's Island near Egypt around 1500 BC. The green crystal was considered protective against evil and when set in gold, especially helpful against night terrors. It was ground to powder and used as a remedy for asthma and as a cure for thirst brought on by fever. Today, Peridot is mined in Burma, Norway, Brazil, Australia, Hawaii, the Congo, and in Arizona.

The force of nature is alive within a Peridot, making a gift of this gemstone symbolic of vitality. It signifies strength, both individual and within a relationship, as well as the promise of new growth in years ahead.



## Alternate August Birthstone

An alternate birthstone for August, Sardonyx is a type of translucent or opaque quartz

with alternating parallel bands of brownish red and white. This stone was worn as a talisman by the Egyptians to protect against infections and evil. Today it is highly polished and carved into beautiful beads and cameos. Sardonyx is mined in India, Germany, Czechoslovakia, Brazil and Uruguay. A gift of this stone is considered symbolic of happiness within a relationship.

## Aventurine-Old German Birthstone for August



Aventurine got its name from a type of glass discovered by chance about 1700 called a ventura (Italian). It is a

rock made up of interlocked grains of quartz, containing small crystals of the mineral mica. In some varieties the mica is green chrome-rich mineral called fuchsite, which gives the quartz a rich green color. The dark green with metallic iridescence is caused by the fuchsite inclusions, the red/brown colors are caused by iron-mica inclusions. The mica flakes tend to be oriented in parallel and reflection from the myriad flakes produce a sparkling sheen. Import deposits are in India, Brazil and Russia. Aventurine is used for cabochon and ornamental objects.

Source "Gems and Jewelry" by Joel Arem and "Gemstones of the World" by Walter Shuman

# METEORITES

*The Rosetta Stones to Understanding Our Universe (Continued from July 1, 2008 issue of Little Gems)*



By Jerry A. Baird  
Published in the Rocky Tales,  
March 2005

How were elements created that accreted into our solar system? Scientists provide us with this explanation: "Most of the chemical elements are made in stars, by nuclear reaction, starting with hydrogen. A star has temperatures (from a million to a billion degrees) and particle concentrations favorable to nucleosynthesis. The first reaction leads to the fusion of hydrogen into helium, then helium into carbon. Low mass stars do not go beyond this stage. Supplementary additions of helium nuclei create oxygen, neon and a whole collection of intermediate elements in medium mass stars. In the most massive stars (more than 9 solar masses) nucleosynthesis will produce the elements up to iron. As the later has the most stable nucleus, nuclear fusion stops at this point. The heavier elements are produced either by rapid capture of neutrons in a high neutron density environment ("r" process, which takes place in supernova), or by slow capture at low density ("s" process, which takes place in red giants.)"

Scientists have been able to isolate all of these different elements but how do they determine when they formed? The age of elements within a meteorite or a sample rock returned by the lunar program is determined by a battery of clocks. These clocks are nuclear in character. Some atomic nuclei are radioactive, they are unstable and spontaneously transform into other nuclei. Scientists describe this activity as radioactive decay of the "parent" element into the "daughter" element. The decay or disintegration of a given nucleus is instantaneous, but it may happen after a relatively long period of time. This period of

time is the "half-life" and is the time required for half of the parent element initially present to disintegrate. Depending upon the element, it can take a fraction of a second or up to several tens of billions of years. Listed below are examples of radioactive transformations from parent to daughter.

<b>Radioactives of Long Periods</b>	<b>Billions of Years</b>
Rubidium-87 to Strontium-87.....	48.8
Rhenium-187 to Osmium-187.....	43.5
Uranium-238 to Lead 206.....	4.46
Potassium-40 to Argon-40.....	1.25
Uranium-235 to Lead 207.....	0.704

<b>Radioactives of Short Periods</b>	<b>Billions of Years</b>
Iodine-129 to Xenon-129.....	16
Palladium-107 to Silver-107.....	6.5
Aluminium-26 to Magnesium-26.....	0.7
Calcium-41 to Potassium-41.....	0.1

How do we fit all the pieces of the puzzle together? First, we have the "Big Bang" which exploded about 15 billion years ago creating large clouds of gas and dust, which formed galaxies. Over the next 10 billion years and within those galaxies different stars formed and exploded creating heavier elements and new clouds of elements which formed our solar system about 4.5 billion years ago. Within our solar system, the parent bodies of meteorites were created by accretion.

It is from a meteorite that scientists can measure a radioactive element. One gram of a chondrite contains an infinitesimal amount of uranium. This tiny mass represents a gigantic number of atoms, twenty-five thousand billion. This number was even greater when the meteorite was formed because a fraction of the initial uranium atoms have decayed to lead atoms. By counting the radiogenic lead atoms and the remaining uranium atoms in this one gram fragment, the time elapsed since the uranium began to decay in the rock can be calculated. This is how scientists know our solar system was formed 4.55 billion years ago.

## What have scientists learned by studying different meteorites?

### Chondrites

*Courtesy Frank Campagnano of GV Sliced Chondrites found at Gold Basin, AZ*



Although there are many diverse rocks on Earth, none resemble the chondrites. They have chemical compositions and physical characteristics obtained from the solar nebula. A major distinguishing characteristic that sets them apart from other meteorites is chondrules. Chondrules are small spheres of silicate material that experienced melting before accretion into chondritic meteorite parent bodies. Chondrules are silicate particles containing olivine, pyroxene and glass, and minor iron-nickel metal and iron sulphide, and are only found in chondrites. In addition to chondrules, chondrites have calcium-aluminum-rich inclusions (CAIs). CAIs are composed of calcium (Ca), aluminum (Al), titanium (Ti), iron oxide (FeO), silicates and most are uniformly enriched in rare Earth elements (REE). Chondrites provide information that is vital to theories on how our solar system formed.

Isotopic anomalies carried by chondrites indicate some grains survived ejection from stars and were incorporated into planetary material. What is an isotope and how are they measured? Scientists provide us with the following explanation of isotopes: "The mass of atoms is concentrated in their nucleus, made up of protons (charged positively) and neutrons. A cloud of electrons (charged negatively) maintains neutrality and is responsible for the chemical properties. When the number of protons in the nucleus changes, the number of electrons changes too and we obtain a new chemical element. However, if the number of neutrons in the nucleus varies, only the mass of the atom is changed (and not its chemical properties) and we do not change elements. We use the name isotopes for nuclei of different masses making up the same element. These elements are normally found in virtually constant proportions.

*To be continued next month for final installment*



What did the limestone say to the geologist?

Don't take me for granite.

**GEM SHOWS:** August 1-3, 2008 in Prescott, AZ. Prescott Gem and Mineral Club will have their 5th Annual Gem, Mineral and Jewelry Show, Friday and Saturday, August 1-2 from 9:00 AM to 5:00 PM and Sunday, August 3rd from 9:00 AM to 4:00 PM. Admission is \$2.00 per adult and free for children accompanied by a paying adult. The Show is located at the Aeronautical University Activity Center, 3700 Willow Creek Road, Prescott.



## Helpful Tips, Notes, etc....

*These hints are gathered from the bulletins and web sites of other clubs. You should use them with caution, as some may not be tried and true.*

**Need two cabs** of exactly the same size? Glue two slabs together with paper between them. Cut to size and separate by soaking in warm water.

(Golden Spike News, via Del Aire Bulletin 12/2007)

**Save the inner plastic ring** from scotch tape rolls. They make great stands for spheres.

(Golden Spike News, via Del Aire Bulletin 12/2007)

**A good all-around glue** for gluing bails, pin backs, bell caps, etc. is Elmer's Stix-all. It is non toxic, non flammable, flexible and strong, as well as impact resistant. While it sets up fast, complete curing takes 4 hours. Elmer's Stix-all can be purchased at most gem shops, hardware and variety stores.

(Golden Spike News, via Del Aire Bulletin 12/2007)

**Placing ads for rocks:** Placing an ad in the newspaper looking to buy rock collections is a great way to get some great collections from people what are just not interested anymore, or perhaps got a collection from a relative or something. You have to be prepared to buy, but it's usually WAY under priced and you might get some really awesome specimens!

(Via <http://www.rockhoundtips.com/>)

**AND REMEMBER...Old Miner's Rule:** While a miner's tools, equipment and personal belongings remain in or next to a digging, that is his until he relinquishes it either by removing said property or announcing that he is finished digging in that area. Furthermore, specimens or rocks cached on or near said personal property are also the property of the miner and shall not be touched or removed without his express permission. Every rock hound should obey this rule.

(Original source unknown, via The Palomar Gem 3/2003)

## THE SHOP PAGE, Cleaning Your Specimens.

Wash carefully to remove dirt. If soaking in acids or other solutions, try an inferior specimen first. When working with adds, remember the three A's - Always Add the Acid to the water. Keep your solution fairly clean for best results. Oxalic acid is useful for rust stains; muriatic acid, for removing hematite stains; and hydrochloric acid is the best for removing black manganese stains. When using any of these solutions, wear protective clothing, goggles and rubber gloves. Household bleach works well for removing many stains but never mix bleach and acid. The results could be tragic.

<b>Barite:</b>	30% hydrochloric acid solution.
<b>Beryl:</b>	Any acid solution may be used.
<b>Petrified Wood:</b>	Household bleach or oxalic acid.
<b>Bornite:</b>	Overnight in oxalic acid.
<b>Carbonated Minerals:</b>	If your specimen will not come clean in bleach, use a very weak solution of oxalic acid.
<b>Chalcopyrite:</b>	Soak over night in a solution of oxalic acid, 2 oz. to a quart of water, or under close watch in hydrochloric acid.
<b>Copper:</b>	Nitric or hydrochloric acid.
<b>Epidote:</b>	Quick dip in nitric or sulphuric acid.
<b>Fluorite:</b>	Hydrochloric or muriatic acid, 1 part acid to 10 parts water.
<b>Galena:</b>	Soak overnight in oxalic acid. Wash well.
<b>Gold:</b>	Ammonium bifluoride.
<b>Graphite:</b>	Try any acid.

<b>Hornblende (microcline, scapolite, tourmaline):</b>	Any acid except hydrofluoric.
<b>Iron (labradorite):</b>	Concentrated sulphuric acid.
<b>Marcasite:</b>	Overnight in oxalic acid solution or a very quick dip in hydrochloric acid, or it may be washed in ammonia water.
<b>Millerite:</b>	Hydrofluoric or sulphuric acid solution.
<b>Orthoclase:</b>	Most acids except aqua regia.
<b>Pyrite:</b>	Overnight in oxalic acid solution or a quick dip in hydrochloric acid. Rinse in ammonia water.
<b>Silver:</b>	1 oz. baking soda, 1 oz. salt dissolved in 2 quarts warm water in an aluminum container.
<b>Sulphide minerals:</b>	Acetic acid solution. If this doesn't work, try hydrochloric acid.
<b>Tremolite:</b>	Any acid except hydrofluoric.
<b>Zircon:</b>	Any acid.

from Pick & Pack, via Quarry Quips, via Chips & Facets, 3rd Qtr. 1997

The above helpful ideas were via The Coral Geode, December 1997.



Always tell **someone** where you are going before heading out collecting. You can't always depend on a cell phone in case of trouble.....Murphy's Law.



### Web Bytes

This month I found a couple of outstanding sites.

[www.jewelryartistmagazine.com/stepbystep](http://www.jewelryartistmagazine.com/stepbystep)

**1.** You have your choice of many, many lapidary projects most are free of charge ....Jewelry Making Projects | Metals Projects & Techniques | Gem-cutting, Carving & Lapidary Projects | Bead Projects | Clay (Polymer & Metal) | Technique Workshops | Holiday Projects

**2. [www.scribd.com](http://www.scribd.com)**

Thousands and thousands of reports, manuals, books for free download. Desert Magazine is available from the 30's -80s. An A-1 site for researching old hunting areas.

**3.** The text below is the full address for NOAA weather for 7days for Kingman. Copy and paste into browser web address bar. The bottom of the page is the radar screen. Open the radar, click the reset to show zero, (which is Las Vegas) click on Kingman (this will be a starting point for tracking storms) drag mouse to storm and this will tell you how far away the storm is.

**[www.wrh.noaa.gov/forecast/MapClick.php?site=vef&smap=1&textField1=35.18944&textField2=-114.05222](http://www.wrh.noaa.gov/forecast/MapClick.php?site=vef&smap=1&textField1=35.18944&textField2=-114.05222)**  
**If this address is too complicated just use [www.wrh.noaa.gov/forecast](http://www.wrh.noaa.gov/forecast)**

### Ducks and Elephants

Why do ducks have webbed feet?



To put out fires



Why do elephants have flat feet?  
 To put out burning ducks.



## CHOCOLATE GEMSTONES



Watch with browned white gold case, brown diamonds, guilloché and polished brown dial, and a chocolate gal chat strap; \$29,500.  
Layered earrings with white diamonds and orange and yellow sapphires, \$27,100  
Circles

earrings of brown gold with 80 white diamonds (totaling 1.8 carats), \$10,650. All from de Grisogono at 824 Madison Avenue, 212-439-4220

Chocolate rocks are one thing, and many of you have eaten these delicacies that are made of odd-shaped bits of milk chocolate, dipped in a crunchy candy coating. Yum! Chocolate gemstones, however, are something else altogether.

In its most recent edition, GIA Insider reports that top Paris designers like Christian Dior are going with a fall range of earth-tone browns in their fall clothing lines, and matching them to chocolate diamonds, often referred to as "champagne" or "cognac" diamonds in the trade. All of this is just a fancy way of saying "brown diamonds". And there are lots and lots of brown diamonds produced by Mother Nature.

The chocolate craze doesn't stop with chocolate diamonds, however. Other brown gold and yellow-toned gems currently finding favor are sunstone, citrine, and amber. Fire opal is no longer just for rock hounds, the designers have to have it, too. Plus humble lapidary materials like smoky quartz, agate, and tiger-eye. Don't forget brown zircon, chrysoberyl, dravite, and imperial topaz. (Bronze pearls are fine, too.)

To relieve all this brown, the designers rely on contrast to tend to mix chocolate and white diamonds in their jewelry pieces. Likewise, bronze pearls are alternated with white pearls, and shimmering golden tiger-eye is set in bright silver. (Via the Pegmatite 10/2007)

**Letter from the Editors...**As this is being written, the sky is darkening and the rain is on its way, finally. It's been a very dry year for us here in Mohave County and because of the early heat; we haven't been able to get out there hunting down the "perfect gem" much lately. As the rain pours off the roof, onto the patio, there are a few things we might be able to do instead. So, if you care to join us, the club is working on a program with the Kingman County Library to establish a weekly meeting. Our plans are to watch our series of geology tapes, have guest speakers and demonstrations and invite the community to join us to encourage an interest in rocks, gems and the rich history of mining in this area. The library is also willing to work with us to purchase any books which may be of interest to us in this field, so if you have any special books in mind, let us know and we can bring that to the librarian for their consideration.

Our club is now building up momentum after the loss of much of our leadership over the past year or so. Due to the hard work of new and long-time members who have been involved in the gem and mineral field for years we are experiencing a growth in our club that will promise to keep the momentum going. This club is at a point where we have many new members with various degrees of expertise, knowledge, or nothing but a love of rocks and the way to learn more is to get involved in every aspect of the club. This can be accomplished by attending meetings, going on field trips and attending other related functions and being an active member of the club. We encourage all of our members, new and "old" to step up and get involved. This can not only help the club grow and improve, but also enrich your experience as a member and make some new friends along the way.

Sincerely,



The Editors of the "Little Gems"

**Share a Ride - Share the Cost**



We all enjoy the field trips, but as the cost of everything is rising daily, especially the cost of gas, we want to

encourage everyone to share the ride. When you are interested in going on field trips, please don't let the cost of gas or lack of transportation keep you from participating. There's always someone who will have extra room for one or two passengers. Or, if you just don't want to go bumping along the final legs of the trip on the dirt roads, we could also have "end-of-the-road" cars for the rough spots.

We will have a sign-up sheet for this purpose to identify who has room, or who needs a ride for future trips. As a consideration, a couple of dollars for the driver would be welcomed to help them with their expenses, too. So please get into the "carpool" habit for the next club event, or any event for that matter. We'll all benefit with the sharing of expenses and the opportunity to get to know our fellow members better while we're on the road.



**Advertising in the "Little Gems":**

At our last board meeting, the subject of advertising in our newsletter was discussed. So, if any of our members has anything to sell or is looking for an item to buy, there is no charge for any rock or gem type ad - \$5.00 for a business or non-member (3-line) ad. Please contact

Glenda 715-7505  
 Email [glenda\\_erwin@hotmail.com](mailto:glenda_erwin@hotmail.com)  
 Donna 263-1480  
 Email [brisnoon@hotmail.com](mailto:brisnoon@hotmail.com)



**Calendar for July 2008**

**Board Meeting Thursday, July 31st @ 6:00 PM at "C" and Nan Russell's, 2400 Broudy**

**2008 Meeting Schedule**

<b>August 12</b>		<b>7:00 PM</b>
<b>September 9</b>	<b><u>Potluck</u></b>	<b>6:30 PM</b>
<b>October 14</b>		<b>7:00 PM</b>
<b>November 11</b>		<b>7:00 PM</b>
<b>December 9</b>	<b><u>Potluck</u></b>	<b>6:30 PM</b>
	<b><u>And Christmas Party</u></b>	

**You Might Be a Rockhound If . . . . .**



1. . " You think road cuts are built as tourist attractions
2. " You describe your vacations by the rocks you brought home.
3. " The rockpile in your garage is over your head.
4. " Your PC screen saver features pictures of rocks.
5. " You find rocks when you empty your pockets at night.
6. " You went to a rock festival and you hate music.
7. " You gave rocks, tumblers, or rock tools for Christmas.
8. " When friends say they're going to Tucson, you assume it'll be in February.  
 " You can find Quartzsite on a map in less than 5 seconds.
9. " When someone mentions "Franklin" you think of New Jersey rather than Ben.

<http://www.amfed.org/rockhoun.htm>

**FOR THOSE OF YOU WHO HAVE NOT FILLED THIS OUT YET, PLEASE DO SO AND BRING WITH YOU TO OUR NEXT MEETING.**

**This is page 2 questionnaire of the new application.** The existing members have not had a chance to express their thoughts. Please fill out the information sheet and help the club be what you want it to be. The form can be mailed or just bring it in at the next meeting.

FIELD TRIPS	Interest	Lead
Day Trips		
Weekend Trips		
Week Long Trips		
Holiday Weekend Trips		

2 Wheel drv Car\_\_ Truck\_\_ 4 Wheel drv Car\_\_ Truck\_\_

Tent\_\_ RV\_\_ Camper\_\_

ROCK COLLECTING	Interest	Type
Gems		
Minerals		
Fossils		
Agate / Jasper		
Obsidian		
Other		

MEETING PRESENTATIONS	Interest	Present
Equipment Demo		
Fossils		
Geology		
Lapidary Process		
Mineral Identification		
Pot Luck		
Show and Tell		
Swap		
Trip Reports		

Other Suggestions

CLUB SERVICE	Willing	Position
Elected Office		
Committee		
Help with Socials		
Work at Show		
Other Position		

I would be willing to serve in the following ways

HOBBY INTEREST	Interest	Beg	Int	Adv
Faceting				
<b>Lapidary</b>				
Cabochon				
Freeform				
Slabbing				
Carving				
<b>Tumbling</b>				
Rotary				
Vibratory				
<b>Metal Work</b>				
Silver Smithing				
Gold Smithing				
Wire Wrapping				
Lost Wax				
Casting				
PMC				

Other Areas of Interest

EQUIPMENT	Interest	Have
Rotary Tumbler		
Vibratory Tumble		
Trim Saw		
10" Saw		
SlabSaw		
Sphere Maker		
<b>Polisher</b>		
Wheel Type		
Flat Disk Type		
Combo Unit		
Vibrating Lap		

Other Equipment

I have read the AFMS Code of Ethics **yes**      **no**

Optional

Name:
Phone:
Email:

***Little Gems***

MOHAVE COUNTY GEMSTONERS

EDITOR

PO BOX 3992

KINGMAN, AZ 86402

ADDRESS CORRECTION REQUESTED



## Mohave County Gemstoners' Club

An organization dedicated to the social activities, education, sharing of information about and just plain fun of looking for special "gifts" of beauty abounding on Our planet.

